BOROUGH OF FLINT.

ANNUAL REPORT
of the
MEDICAL OFFICER OF HEALTH
and
PUBLIC HEALTH INSPECTOR
for
1962.

MINISTRY OF HEALTH

BOROUGH OF FLINT.

Mayor 1962/63. Councillor W. Bevan.

Chairman, Health Committee 1962/63 Councillor K. Pierce.

Officers:-

Town Clerk: R. Scott, Barrister at Law.
Medical Officer of Health: Dr. D.J. Fraser M.B., Ch.B., D.P.H.
Central Office - Town Hall, Mold. Tel. Mold 176
Home Tel. Mold. 316.

Public Health Inspector: L. Graham, M.A.P.H.I.

Borough Surveyor & Engineer: C.K. Drake, M.I. Mun.E., A.M.Inst. H.E.

Housing Manager: S.B. George, A.I.Hsg., M.R.S.H.

Borough Treasurer: A.H. Thorpe, F.I.M.T.A., F.R.V.A.

Qualifications and duties of senior Public Health Officers (Circular 1/54).

1. Medical Officer of Health: (a) M.B., Ch.B., D.P.H.

Duties:- As laid down in the Public Health Officers Regulations 1959. District Medical Officer of Health (Holywell R.D.C., Holywell U.D.C., Mold U.D.C.). Assistant County Medical Officer.

2. Public Health Inspector: (a) Certificate of the R.S.I. & S.I.E.J.B.

(b) Certificate as Inspector of Meat and other foods of the R.S.I.

Duties:- As laid down in the Public Health Officers Regulations 1959, including responsibility for Refuse Collection and Disposal and Cesspool Emptying.

BOROUGH OF FLINT.

To the Mayor, Aldermen and Members of the Borough Council of Flint.

Mr. Mayor, Ladies and Gentlemen,

I have the honour to present to you my report on the health of the Borough for the year 1962. The mid-year population was estimated 13,790. Population 1961 Census - 13,690

The live-births numbered 243 compared with 259 in 1961. The birth rate was close to that for England and Wales as a whole. There were 2 still-births. During the year 11 infants under a year old died, compared with 3 in 1961, 3 in 1960, 10 in 1959, 5 in 1958 and 7 in 1957. Seven were under a week old.

Deaths of residents totalled 134 (145 in 1961) giving a slight fall in the death-rate, which was lower than that for the country as a whole. Of the total deaths, 61 were due to diseases of the heart and circulatory system, and 17 to cancer of one type or another. There were no deaths associated with pregnancy or childbirth. Deaths due to infectious or notifiable diseases include 6 due to Pneumonia and 8 to Bronchitis. Accidents accounted for 3 deaths, 1 being a motor vehicle accident.

There were 7 new cases of Tuberculosis, During the year there were 22 notifications of infectious and notifiable diseases (excluding Tuberculosis). There were 6 cases of dysentery notified. There were no cases of Diphtheria, Meningitis, Enteric Fever, or Food Poisoning. Measles accounted for 15 of the 22 notifications. There were no cases of poliomyelitis.

In addition to the day to day work of the Health Department, considerable progress was made with the carrying out of the Council's Slum Clearance programme. Other work included the immunization of children against Tuberculosis by means of B.C.G. vaccination, and against Whooping cough, Diphtheria and Tetanus. Immunization of children and young adults against Poliomyelitis was continued.

Sections C.D and E. concerning water supplies, sewerage, inspections of factories, housing and food and drugs were written by your Public Health Inspector, Mr. L. Graham to whom I am indebted for his co-operation and efficiency.

In conclusion I wish to thank all the Officers of the Council for their ready help at all times throughout the year.

I am, Mr. Mayor, Ladies and Gentlemen,

Your obedient Servant,

D.J. Fraser.
Medical Officer of Health.

SECTION A.

Social Conditions, including Vital Statistics.

Area:- 6,243 statutory acres.

Population:- (1961 Census) : 13,690. Registrar General's Estimate at mid-year 1962: 13,790.

Number of Inhabitated Houses: 4,312

Average Number of persons per house: 3.12

Population Density: 2.209 persons per statutory Acre.

Rateable Value:- £185,622 Product of Penny Rate: £733

TABLE I

Vital Statistics 1962.

Population:- Registrar General's Estimate at Mid-Year:	13,790
Live Births:	243
Live Birth rate per 1000 population:	17.62
Illegitimate live births % of total live births	3.29
Still-births	2
Still-births Rate per 1000 live and still-births:	8.16
Total live and still-births:	245
Infant deaths:	11
Infant Mortality Rate per 1000 live-births (total)	45.26
Infant Mortality Rate per 1000 live-births (legitimate)	46.80
Infant Mortality Rate per 1000 live-births (illegitimate)	Nil.
Neo-Natal Mortality Rate (first four weeks) per 1000 total live-births:	32.92
Early Neo-Natal Mortality Rate (deaths under 1 week) per 1000 total live-births:	28.80
Perinatal Mortality Rate (Still-births and deaths under 1 week combined) per 1000 total live and still-births:	36.73
Maternal Mortality (including abortion)	
Number of deaths:	Nil.
Rate per 1000 total live and still-births:	Nil.
Deaths (from all causes)	134

TABLE II

LIVE BIRTHS - 1962.

	Males.	Females.	TOTAL.
Legitimate	123	112	235
Illegitimate	4	4	8
TOTAL :	127	116	243

(1960 total : 268 births 1961 total : 259 births).

Live-birth rate per 1000 population: 1961 - 18.91; 1962 - 17.62.

England and Wales : Live-birth rate per 1000 population; (provisional) 1961 - 17.4; 1962 - 18.0.

These figues show that there were 16 births fewer than in 1961. The birth-rate is near the rate for England and Wales as a whole. The Registrar General's "comparability factor" of 0.98 leaves the rate at 16.26 per 1000 population. There were 21 fewer boys and five more girls born.

TABLE III

STILL-BIRTHS.

	Males.	Females.	TOTAL.
Legitimate	1	1	2
Illegitimate	-	-	-
TOTAL :	1	1	2

(1960 total : 4. 1961 total : 3)

Still-birth rate per 1000 live and still-births: 1961 - 11.45; 1962 - 8.16

Still-birth rate per 1000 population: 1961 - 0.21; 1962 - 0.14

England and Wales: Still-birth rate per 1000 live and still-births; 1961 - 18.7; 1962 - 18.1.

The still-birth rate for the Borough shows a fall. There were 2 still-births in 1962 compared with 3 in 1961, 4 in 1960 and 11 in 1959.

TABLE 1V

DEATH (GENERAL) RATE:

	Males.	Females.	TOTAL.
All ages (all causes).	82	52	134

(1960 total - 129; 1961 total - 145)

Death rate per 1000 population; 1956 - 10.27; 1957 - 10.47; 1958 - 11.07; 1959 - 9.16; 1960 - 9.03; 1961 - 10.59; 1962 - 9.71.

England and Wales: Death rate per 1000 population; 1956 - 11.7; 1957 - 11.5; 1958 - 11.7; 1959 - 11.6; 1960 - 11.5; 1961 - 12.0; 1962 - 11.9

The general death rate shows a fall compared with the previous year. There has been a fall in the rate for England and Wales. There were 11 fewer deaths in the Borough than in 1961. This crude death rate is lower than the rate for England and Wales as a whole.

DEATH (GENERAL) ANALYSIS.

Examination of this Table shows that there were 61 deaths due to diseases of the heart and circulatory system, and 17 deaths from cancer of all sites. Corresponding figures for the previous year are 63 and 32 respectively. There was 1 death from tuberculosis. Deaths from pneumonia, bronchitis and other respiratory diseases totalled 16 (18 in 1961) There were 4 deaths from lung cancer, compared with 5 in 1961, 3 in 1960, 6 in 1959, 5 in 1958, 6 in 1957, 7 in 1956, 3 in 1955, 1 in 1954 and 11 in 1953. There was 1 death due to motor accident, and 2 were due to other accidents.

There were no deaths from diphtheria, whooping cough, poliomyelitis, measles, meningitis. There were no deaths from pregnancy, childbirth or abortion.

Cause of Death.	M.	F.	TOTAL.	Rate per 1,000 population.
Malignant Neoplasm - Stomach	1	2	3	0.21
- Lung and Bronchus	4	0	4	0.28
- Breast	-	1	1	0.07
- Uterus	-	-	-	-
Other malignant & Lymphatic Neoplasms	4	5	9	0.65
Vascular lesion of Nervous System	10	6	16	1.16
Coronary Disease - Angina	16	5	21	1.59
Hypertension with Heart Disease	-	5	5	0.36
Other heart disease	5	8	13	0.94
Other circulatory Disease	5	1	6	0.43
Pneumonia	3	3	6	0.43
Bronchitis	7	1	8	0.58
Influenza	2	-	2	0.14
Congenital Malformations	2	2	4	0.28
Other defined and ill defined diseases	13	7	20	1.45
Motor Vehicle Accidents	1	-	1	0.07
Diabetes	1	-	1	0.07
Homicide & operations of war	-	1	1	0.07

Cause of Death.	M.	F.	TOTAL.	Rate per 1000 Population.
All other Accidents	2	-	2	0.14
Suicide	1	-	1	0.07
Leukaemia, Aleukaemia	-	-	-	-
Ulcer of Stomach or Duodenum	-	1	1	0.07
Respiratory Tuberculosis	-	1	1	0.07
Other Tuberculosis	-	-	-	-
Other infective and Parasitic Diseases	-	-	-	-
Other Respiratory Diseases	2	-	2	0.14
Nephritis and Nephrosis	1	2	3	0.21
Pregnancy, childbirth, abortion	-	-	-	-
Hyperplasia Prostate	-	-	-	-
Gastritis, enteritis, diarrhoea	2	1	3	0.21
TOTAL :	82	52	134	

TABLE V.

DEATHS (MATERNAL) :

Causes associated with pregnancy and child-birth. There were no deaths attributable to these causes in 1962, as in 1956, 1957, 1958, 1959 1960 and 1961, compared with 1 in 1955 and none in 1954.

TABLE VI

DEATHS (INFANTILE): Infants under one year old.

	Males.	Females.	TOTAL.
Legitimate.	7	4	11
Illegitimate	-	-	-
TOTAL :	7	4	11

(1961 - 3; 1960 - 3; 1959 -10; 1958 - 5)

Infantile Death Rate of Legitimate babies per 1000 legitimate births; 1954 - 27.23; 1955 - 21.18; 1956 - 51.94; 1957 - 29.53; 1958 - 15.38 1959 - 36.19; 1960 - 11.32; 1961 - 11.85 1962 - 46.80

Infantile Death Rate of illegitimate babies per 1000 illegitimate births: 1954 - Nil; 1955 - Nil; 1956 - 71.42; 1957 - Nil; 1958 - 71.42; 1959 - 200; 1960 - Nil; 1961 - Nil; 1962 - Nil.

Infantile Death Rate per 1000 births (legitimate and illegitimate): 1954 - 26.02; 1955 - 20.32; 1956 - 53.06; 1957 - 29.04; 1958 - 18.24 1959 - 43.41; 1960 - 11.19; 1961 - 11.58; 1962 - 45.26.

England and Wales. Infantile death rate per 1000 live-births (legitimate and illegitimate): 1954 - 25.5; 1955 - 24.9; 1956 - 23.8; 1957 - 23.0; 1958 - 22.5; 1959 - 22.0; 1960 - 21.7; 1961 - 21.4; 1962 - 21.6

The infantile death rate for England and Wales was 21.6 per 1000 live-births. There were no deaths among illegitimate babies under one year old. Of the 11 infants who died, 7 were under a week old.

SECTION B.

Health Services for the Borough provided by other authorities.

Ambulance Facilities: Provided by the County Council. An ambulance is available in Flint on a 24 hour service. Transport for all cases is provided by the Ambulance Department, which is administered by the County Health Department.

Home Nursing Home Help Midwifery in the Home Health Visiting Tuberculosis Health Visiting	Service provided by the County Council.

Vaccination: By arrangement with the Local General Medical Practitioners or by the Medical Officer on request.

Treatment Clinics and Centres: The following Table gives particulars of the centre and Clinics at which facilities for consultation and/or treatment are available to the residents of the Borough.

CLINICS.	Situation.	Dates and Times of opening.
Chest Clinics: (Provided by the Regional Hospital Board).	Cottage Hospital, Holywell, Oaklands, Queensferry and at the Chest Clinic, Wrexham.	Every Tuesday 10.30.a.m. Every Wednesday 10.a.m.
Ante-Natal:- (Provided by the County Council)	The Clinic, Boro' Grove, Flint.	Tuesday afternoons.
	Tabernacle Schoolroom, Bagillt, (and at Greenfield Clinic).	1st. & 3rd. Thursdays 1.30.p.m. to 4.30.p.m.

CLINICS.	Situation.	Dates and Times of Opening.
Ophthalmic Clinics:		
(Provided by the County Council).	The Clinic, Holywell.	2nd. & 4th. Tuesday of the month by appointment.
	New Clinic, Shotton.	1st. & 3rd. Mondays of the month by appointment.
Infant Welfare and Post Natel:		
(Provided by the County Council)	The Clinic, Boro' Grove Flint.	Every Monday 1.30.p.m. - 4.30.p.m. Medical Officer attends 2nd. & 4th. Monday each month.
	Tabernacle Schoolroom Bagillt.	Thursdays 1.30. - 4.30.p.m.
Family Planning:	The Clinic Boro' Grove, Flint.	2nd. & 4th. Thursday afternoons.
School Clinics:		
(Provided by the County Council)	The Clinic Boro' Grove, Flint.	Every Tuesday 9.30.a.m. - 12 noon.
Diphtheria & Whooping Cough Immunisation:		
(Provided by the County Council).	The Clinic Boro' Grove, Flint.	First Friday each month 9.30.a.m. - 12 noon.
Ante-Poliomyelitis Immunisation:		

At all Clinics by appointment and by General Practitioners.

CLINICS.	Situation.	Dates and Times of Opening.
Orthopaedic:-		
(Provided by the Regional Hospital Board).	Holywell Cottage Hospital.	2nd. & 4th. Friday each month 10.a.m. - 12 noon.
	New Clinic Central School Shotton.	1st & 3rd. Wed., each month, 10.a.m. - 12 noon.

B.C.G. Immunisation against Tuberculosis:

(for children of 13 years) This is done in school, with the consent of the parents.

Dental:

(Provided by the County Council).	The Clinic Boro' Grove, Flint.	Tuesday 9.30.a.m. and other days (by appointment.

Other Clinic facilities include:-

Ultra-violet therapy	at Holywell and Mold.
Ear, Nose and Throat	" " " "
Speech Therapy	by arrangement.

Hospital Accommodation:-

This is provided by the Regional Hospital Board. Facilities are available at Flint Cottage Hospital. Residents are also admitted to other hospitals in the Region.

SECTION C.

Public Health Services provided by the Borough Council.

Water Supply:- The quality of the mains water supply to the Borough continued to be of a high standard. The results of the samples taken for bacteriological examination were as follows:-

Number of samples taken from mains supply	80(81)
Number of unsatisfactory results	10(3)
Number of samples from other public and private supplies:	Nil(Nil)

The figures in brackets show the 1961 totals and are for comparison.

The unsatisfactory results were due mainly to the seasonal deterioration of the water in the Little London Reservoir. Although this reservoir is roofed over birds and no doubt other animals do gain access. The water is treated before passing into the mains and an increase in the amount of Chlorine injected has brought about the necessary improvements.

Approximately 200 houses obtain their water supplies from a stand-pipe. These are mainly in the Bagillt area of the Borough.

Sewerage & Sewage Disposal. In the Annual Reports for the years 1958, 1959, 1960 and 1961 I referred to the plans of the main sewerage scheme for Flint being with the Ministry. This position was unaltered at the close of the year under review.

Refuse Collection and Disposal. In spite of the difficulties which are a regular feature of refuse collection a reasonable service was maintained during the year.

Fire at the Panton Cop Tip was a continuing problem during the year. For a short period the tip was unusable because of this.

Nightsoil Collection and Disposal. This service continued to run smoothly during the year and a 7 day interval collection was maintained.

Salvage and Waste Paper: 48 tons. 5 cwts. 3 qtrs. of mixed waste paper was despatched to the Mills during the year. The price remained steady.

Inspection of Factories: At the close of the year the number of factories in the Borough was 31. 14 inspections were carried out. No contraventions were noticed.

Rodent Control: 86 infestations were reported and dealt with during the year compared with 80 during 1961. Routine treatments on Council owned property were carried out. These included almost continuous treatments on the sewage disposal works at Bagillt.

SECTION D.

Housing: At the end of the year a total of 1216 houses were owned by the Council of which 755 were built since 1947.

	at 31.12.61.	at 31.12.62.
Number of applicants	189	173
Number in rooms and overcrowded / Number in rooms not overcrowded	97	89
Number in structurally separate dwellings including overcrowding	51	25
Number of applicants requiring old peoples dwellings	41	59

The above figures were supplied by the Council's Housing Manager.

Number of houses built:-

	1961	1962
(a) Council	43	107
(b) Private	41	53

Slum Clearance. 3 Clearance Areas were declared during the year. Two of these were followed by Clearance Orders. The third was followed by a Compulsory Purchase Order. The total number of houses dealt with during the year was 12.

In August 1962 inspections of the houses to be included in a Clearance Area in the central area of Flint. The inspections were completed by the end of the year.

SECTION E.

FOOD AND DRUGS.

Food Hygiene Regulations:- At the end of 1962 the number of food premises in the Borough was as follows:-

Cafes, Canteens and Snack Bars.	7
Grocery shops	41
Fish and Chip Shops	7
Sweet Shops	12
Greengrocers	5
Butchers	14
Fishmongers	1
Bakeries	3
Ice-cream Manufacturers	1
General	12
TOTAL :	103

Routine inspections of these premises continued during the year. Again not as much attention was given to them as I would have liked.

Ice-Cream : Manufacture of ice-cream was carried on in one factory during the year. The premises were inspected from time to time and on each occasion was satisfactory.

Unsound Food:- The following food stuffs were examined and found to be unfit for human consumption:-

	lbs.	ozs.
Tinned meat	80	8
" fruit	29	9½
" vegetables	40	0½
" puddings	4	9½
" fish	1	9½
" soup	9	14½
" cream	1	11
TOTAL :	177	14½

Kippers - 14 lbs.

Tinned milk - 15 pints equivalent.

Cod - 4 stone.

Haddock - 14 lbs.

Butter - 36½ lbs.

Meat Inspection: One new slaughterhouse was licensed during the year. Slaughtering is carried on only one day per week - Sunday.

The number of animals killed and the results of inspection are shown below.

	Cattle excluding Cows	Cows.	Calves.	Sheep or Lambs.	TOTAL.
Number killed	15			219	234
Number inspected	15			219	234
Whole carcases condemned				1	1
Carcases of which some part or organ is condemned	2				2

SECTION F.

Prevalence of and control over, Infectious and other Notifiable Diseases (excluding Tuberculosis) - 1962.

TABLE X.

Names of Disease.	Cases Notified.	Deaths.
Scarlet Fever	0 (2)	0 (0)
Whooping Cough	0 (0)	0 (0)
Acute Pneumonia	1 (1)	6 (11)
Measles	15 (131)	0 (0)
Dysentery	6 (0)	0 (0)
Ophthalmia Neonatorum	0 (0)	0 (0)
Erysipelas	0 (0)	0 (0)
Food Poisoning	0 (0)	0 (0)
Acute Poliomyelitis	0 (1)	0 (0)
Meningococcal Infection	0 (o)	0 (0)
Puerperal Pyrexia	0 (0)	0 (0)
TOTAL :	22 (135)	6 (11)

(The figures in brackets are those for 1961)

From Table X it will be seen that there was a fall in the prevalence of infectious diseases. The measles occurred during the last quarter.

There were 6 deaths from pneumonia compared with 11 in 1961, 2 in 1960 and 8 in 1959

There were no cases of poliomyelitis notified.

Dysentery was prevalent throughout the country during the summer months. Six cases were notified in Flint.

Analysis of Notifiable (Infectious) Diseases.

TABLE XI

Disease.	Number of cases and ages.									
	Under 1	1-	2-	3-	4-	5-9	10-14	15-24	25 & over	TOTAL.
Scarlet Fever	-	-	-	-	-	-	-	-	-	0
Whooping Cough	-	-	-	-	-	-	-	-	-	0
Measles	-	1	-	-	3	10	-	1	-	15
Poliomyelitis	-	-	-	-	-	-	-	-	-	-
Meningococcal infection	-	-	-	-	-	-	-	-	-	0
Dysentery	1	1	1	1	-	1	-	-	1	6

	Under 5	5 - 14	15 - 44	45 - 64	65 and over	
Pneumonia	-	-	1	-	-	1
Puerperal Pyrexia	-	-	-	-	-	0
TOTAL :						22

TABLE XII - TUBERCULOSIS

New Cases Notified in 1962.

AGE GROUPS.	Respiratory. Males.	Respiratory. Females.	Non-Respiratory. Males.	Non-Respiratory. Females.
Under 5 years	-	-	1	-
5-14 "	-	-	-	-
15-24 "	-	-	-	-
25-44 "	1	-	-	-
45-64 "	4	-	-	-
65 years and over.	-	-	-	1
TOTAL :	5	0	1	1

There was 1 death from pulmonary Tuberculosis compared with 2 in 1961 and 2 in 1960. There were no deaths from non-respiratory tuberculosis.

It will be seen from the above Table that there were 5 new cases of pulmonary tuberculosis, and 2 non-pulmonary cases. The continued number of cases notified does not necessarily mean that the incidence of tuberculosis is increasing, but it implies that fewer cases remain undetected. (The above numbers include recently arrived residents). (The numbers in 1959 were 9 cases of pulmonary tuberculosis and 1 non-pulmonary and in 1960 - 6 pulmonary and in 1961 - 7 pulmonary and 1 non-pulmonary).

Satisfactory housing has a considerable effect upon the recovery of cases of tuberculosis and, where necessary, "points" are given on medical grounds of cases of tuberculosis who are applicants for a Council house. I continue to be extremely grateful to the Council for their continued sympathetic consideration of these cases and to your Housing Manager for his close co-operation with the Health Department.

Mass Radiography - 1962 Programme.

The Unit visited factories in the district during the year. The semi-static Unit continued to visit Holywell, Mold, Rhyl and Shotton one day every three weeks. At Holywell 879 attended; at Mold 670 at Rhyl 1,706 and at Shotton 636. Factory workers examined totalled 5,990 in the County.

National Assistance Act, 1948 (Section 47)
National Assistance (Amendment) Act, 1951.

One case was dealt with under these Acts, a woman of 82 years, ill and living alone in poor conditions. She was removed to Holywell Cottage Hospital and later to Lluesty Hospital.

B.C.G. Vaccination against Tuberculosis.

This valuable measure against Tuberculosis continued to be administered to children (at secondary schools) from 13 years upwards. At Holywell Grammar School 97 were tested and 30 vaccinated. At the Blessed Richard Gwyn Secondary School, 82 were tested and 35 vaccinated. At Flint Secondary Modern School 92 were tested and 38 vaccinated. At Hawarden Grammar School 163 were tested and 33 vaccinated.

Poliomyelites Vaccination.

This measure, introduced in 1956, continued on a large scale. Many sessions were held, and were well attended. By the end of the year 50, 296 persons in the County had been vaccinated. Thus over 74 per cent of children under 15 years in the County have been protected, and 50 per cent of persons between 15 and 40 years of age. The response at Flint was excellent. There were no cases of Poliomyelitis in Flint.

The Sabin (oral) vaccine was introduced in February 1962. By the end of the year, 1,768 persons (mainly infants and children under 15 years of age) had had the oral vaccine. It was well received by the public.